

## ABSTRACT

### FIXING DEVICE WITH A PISTON PROPELLED BY COMPRESSED GAS

The device for fixing a plug in a support (100), with a piston (6) propelled by compressed gas, comprises a cylinder (5) in which the piston (6) is mounted, a combustion chamber (3), a combustion chamber sleeve (4) intended to close the chamber (3) at the rear with a cylinder head (2) and at the front with the piston (6) and the cylinder (5), a plug guide (8) acting as a probe for placing in abutment and for closing the combustion chamber (3). A pushing surface (30) and an abutment surface (29), which are respectively fixedly attached to the plug guide (8) and to the sleeve (4), are arranged to be fixedly attached to each other in a rearward translational movement when the plug guide (8) is placed into abutment, in order to close the combustion chamber (3), and to become detached from each other upon recoil of the device in reaction to firing in order to ensure that the plug guide (8) is kept in abutment against the support (100).

13 ~~Figure 1~~